

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

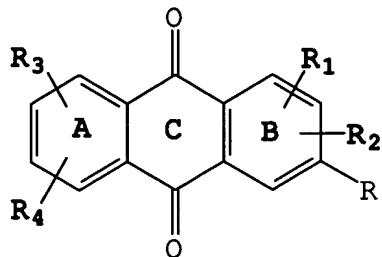
LISTING OF CLAIMS

Claim 1 (Cancelled)

-2- (Currently Amended)

A method of inhibiting a parasitic helminth, which comprises:

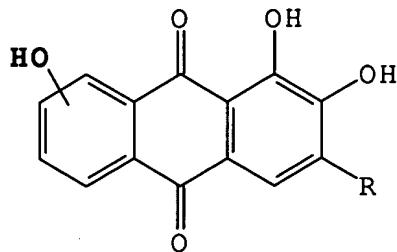
exposing the helminth to an antihelminthic amount of at least one anthraquinone of the formula:



wherein R₁, R₂, R₃, and R₄ are each selected from the group consisting of hydrogen, hydroxy, halogen, alkyl, acetyl substituted alkyl, alkene, substituted alkene, alkyne, aryl, substituted aryl, cyclic, substituted cyclic, acid group, carbohydrate, and combinations thereof, R is a group containing 1 to 12 carbons selected from the group consisting of methyl, alkyl, substituted alkyl, aldehyde, hydroxy, hydroxymethyl, acid group, and carbohydrate, each carbon containing R containing 1 to 12 carbon atoms and combinations thereof, and the halogen is selected from the group consisting of I, F, Br, and Cl.

-3- (Currently Amended)

The method of Claim 2 wherein the anthraquinone has the formula:



wherein R is a group containing 1 to 12 carbons selected from the group consisting of methyl, alkyl, acetyl ~~substituted alkyl~~, aldehyde, hydroxy, hydroxymethyl, acid group, and carbohydrate groups each containing 1 to 12 carbon atoms, and combinations thereof.

-4- (Currently Amended)

The method of Claim 1-~~or~~ 2 wherein the anthraquinone is 1,2,8-trihydroxy-3-methyl anthraquinone.

-5- (Currently Amended)

The method of Claim 1-~~or~~ 2 wherein the anthraquinone is 1,2,8-trihydroxy-3-hydroxymethyl anthraquinone.

-6- (Currently Amended)

The method of Claim 1-~~or~~ 2 wherein the inhibition is *in vitro*.

Appn. No. 10/723,671
Amdt. Dated: September 28, 2004
Attorney Docket No.: MSU 4.1-673
Response to Office Action mailed 09/09/2004

- 7 - (Currently Amended)

The method of Claim 1-~~or~~ 2 wherein the inhibition
is *in vivo*.

Claims 8 - 33 (Cancelled)